Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1-30 (Cancelled)

31. (New) Apparatus for use in conjunction with an interventional device in retrieving a vascular filter disposed on a guidewire from a vessel, the apparatus comprising:

a retrieval adapter having a proximal end, a distal end and a lumen, the distal end of the retrieval adapter being configured to radially expand and receive at least a portion of the vascular filter within the lumen during retrieval of the vascular filter from the vessel.

32. (New) The apparatus of claim 31, wherein the retrieval adapter comprises a biocompatible material.

33. (New) The apparatus of claim 31, wherein the retrieval adapter comprises a radiopaque material.

34. (New) The apparatus of claim 33, wherein the radiopaque material comprises a radiopaque coil embedded in the retrieval adapter.

35. (New) The apparatus of claim 31, wherein the proximal end of the retrieval adapter is tapered to facilitate engagement with a distal end of the interventional device.

36. (New) The apparatus of claim 35, wherein the proximal end of the retrieval adapter is coupled to the distal end of the interventional device.

37. (New) The apparatus of claim 31, wherein the distal end of the retrieval adapter includes at least one expansion slit.

38. (New) The apparatus of claim 31, wherein the distal end of the retrieval adapter is perforated.

39. (New) The apparatus of claim 31, wherein the distal end of the retrieval adapter includes a curved portion.

39. (New) The apparatus of claim 31, wherein the distal end of the retrieval adapter includes an oblique opening.

40. (New) The apparatus of claim 31, wherein the interventional device is an angioplasty catheter.

41. (New) The apparatus of claim 31, wherein the interventional device is a stent delivery system.

42. (New) Apparatus for use in conjunction with an interventional device in retrieving a vascular filter disposed on a guidewire from a vessel, the apparatus comprising:

a retrieval adapter having a proximal end, a distal end and a lumen, the distal end of the retrieval adapter including a curved portion and one or more expandable slits configured to radially expand and receive at least a portion of the vascular filter within the lumen during retrieval of the vascular filter from the vessel.

43. (New) The apparatus of claim 42, wherein the retrieval adapter comprises a biocompatible material.

44. (New) The apparatus of claim 42, wherein the retrieval adapter comprises a radiopaque material.

45. (New) The apparatus of claim 44, wherein the radiopaque material comprises a radiopaque coil embedded in the retrieval adapter.

46. (New) The apparatus of claim 42, wherein the proximal end of the retrieval adapter is tapered to facilitate engagement with a distal end of the interventional device.

47. (New) The apparatus of claim 42, wherein the proximal end of the retrieval adapter is coupled to the distal end of the interventional device.

48. (New) The apparatus of claim 42, wherein the interventional device is an angioplasty catheter.

49. (New) The apparatus of claim 42, wherein the interventional device is a stent delivery system.

50. (New) Apparatus for use in conjunction with an interventional device in retrieving a vascular filter disposed on a guidewire from a vessel, the apparatus comprising:

a retrieval adapter having a proximal end, a distal end, and a lumen, the proximal end of the retrieval adapter being tapered to facilitate engagement with a distal end of the interventional device, the distal end of the retrieval adapter including a curved portion and one or more expandable slits configured to radially expand and receive at least a portion of the vascular filter within the lumen during retrieval of the vascular filter from the vessel.

51. (New) The apparatus of claim 50, wherein the retrieval adapter comprises a biocompatible material.

52. (New) The apparatus of claim 50, wherein the retrieval adapter comprises a radiopaque material.

53. (New) The apparatus of claim 52, wherein the radiopaque material comprises a radiopaque coil embedded in the retrieval adapter.

54. (New) The apparatus of claim 50, wherein the proximal end of the retrieval adapter is coupled to the distal end of the interventional device.

55. (New) The apparatus of claim 50, wherein the interventional device is an angioplasty catheter.

56. (New) The apparatus of claim 50, wherein the interventional device is a stent delivery system.

57. (New) A retrievable vascular filter device, comprising:

a guidewire having a proximal section and a distal section;

a suspension strut coupled to the distal section of the guidewire;

a filter coupled to the suspension strut; and

a tubular body slidably disposed along the suspension strut, the tubular body including a proximal end, a distal end, and an inner lumen configured to receive at least a portion of the vascular filter therein during retrieval of the vascular filter from a vessel.

58. (New) The retrievable vascular filter device of claim 57, wherein the filter comprises a blood permeable sac coupled to a support hoop.

59. (New) The retrievable vascular filter device of claim 57, further comprising means for engaging the proximal end of the tubular body to retrieve the vascular filter.

60. (New) The retrievable vascular filter device of claim 59, wherein said means for engaging the proximal end of the tubular body comprises the distal end of an interventional device.

61. (New) The retrievable vascular filter device of claim 57, further including a safety system to prevent inadvertent closure of the vascular filter within the inner lumen.

62. (New) A retrievable vascular filter device, comprising:

a guidewire having a proximal section and a distal section;

a suspension strut coupled to the distal section of the guidewire;

a filter coupled to the suspension strut;

a tubular body slidably disposed along the suspension strut, the tubular body including a proximal end, a distal end, and an inner lumen configured to receive at least a portion of the vascular filter therein during retrieval of the vascular filter from a vessel; and

means for engaging the proximal end of the tubular body to retrieve the vascular filter.

63. (New) The retrievable vascular filter device of claim 62, wherein the filter comprises a blood permeable sac coupled to a support hoop.

64. (New) The retrievable vascular filter device of claim 62, wherein said means for engaging the proximal end of the tubular body comprises the distal end of an interventional device.

65. (New) The retrievable vascular filter device of claim 62, further including a safety system to prevent inadvertent closure of the vascular filter within the inner lumen.

66. (New) A retrievable vascular filter device, comprising:

a guidewire having a proximal section and a distal section;

a suspension strut coupled to the distal section of the guidewire;

a filter coupled to the suspension strut;

a tubular body slidably disposed along the suspension strut, the tubular body including a proximal end, a distal end, and an inner lumen configured to receive at least a portion of the vascular filter therein; and

means for preventing inadvertent closure of the vascular filter within the inner lumen.